

HEX20

BRINGING SPACE CLOSER



HEX20

1st ride share mission from India by a private company



OUR TEAM

45+ Members Globally (2025/05)



30 Employees
3 Consultants

1 Satellite Control Centre
1 Ground Station
1 Clean Room Lab



5 Employees



1 Employee



1 Employee



7 Consultants

The Technology Innovation Institute, a subsidiary of the Advanced Technology Research Council, officially signed a collaborative agreement with HEX20 with the presence of the UAE Space Agency to be part of the Emirates Mission to the Asteroid Belt “EMA” Lander.



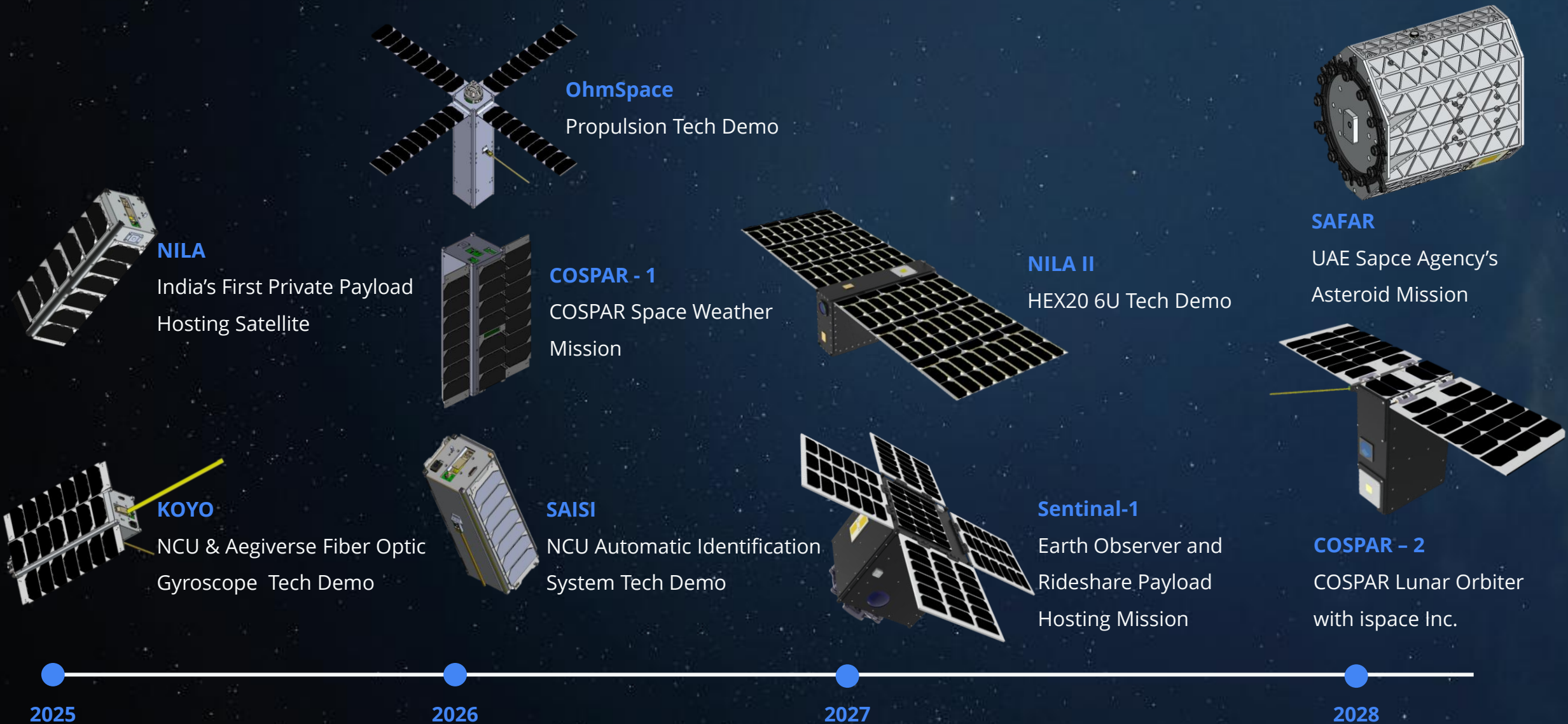
وكالة الإمارات للفضاء
UAE SPACE AGENCY

HEX20



MISSIONS

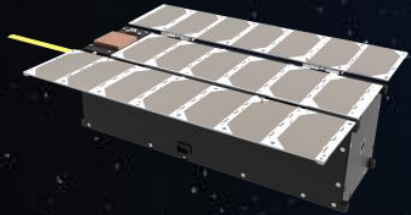
From LEO, To Lunar Orbit And Beyond.



BUSINESS

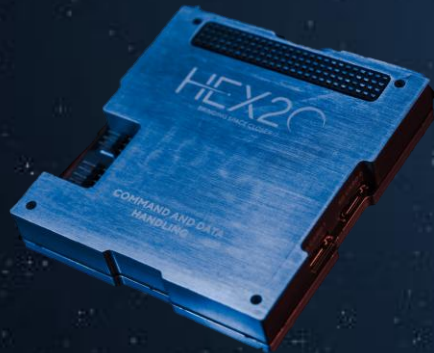
High Performance, Reliable Platforms With Rapid Turnaround.

Satellite Platform



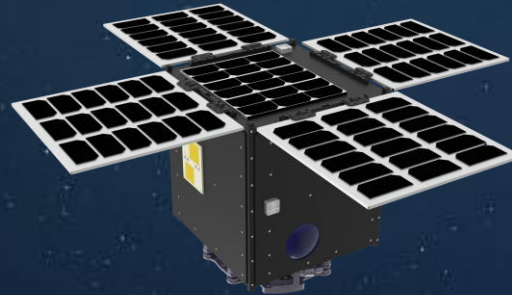
3U, 6U, 12U, 27U
Cubesat Platforms

Subsystems



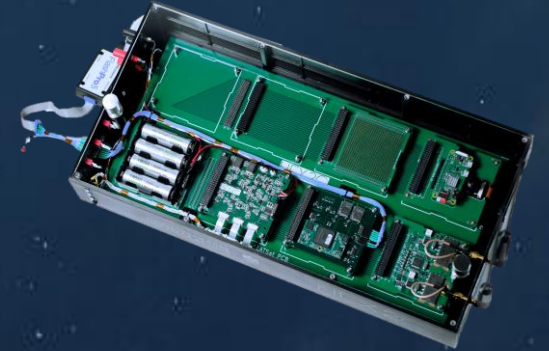
CDH, EPS, COM,
Battery Pack, Solar Panels

Hosted Payload



Microsatellite Rideshare
Mission – Sentinel 1 - Hosting
Mission in 2027

Training Program

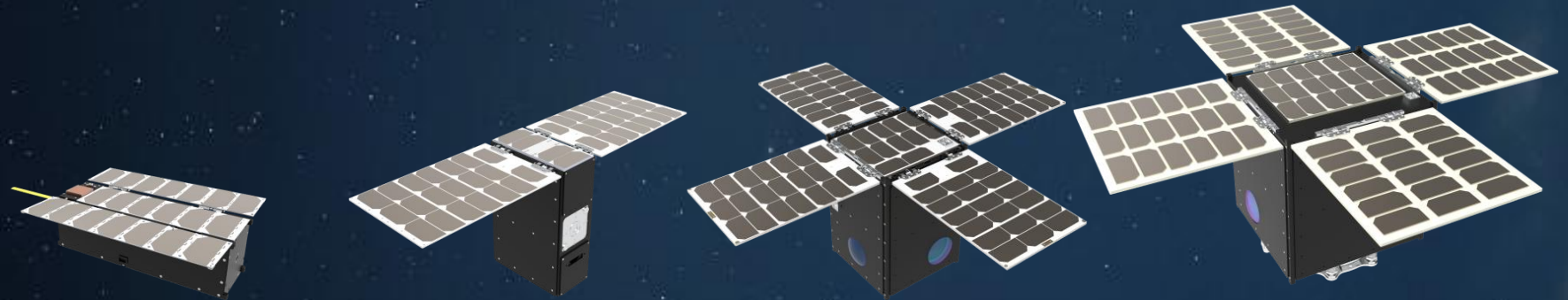


Full cycle mission
development and hands
on experience

SATELLITE PLATFORMS

Conventional Small Satellite Platforms Made Scalable And Modular From 3U To 27U.

Our Solutions Have Flight Heritage From Multiple Missions.



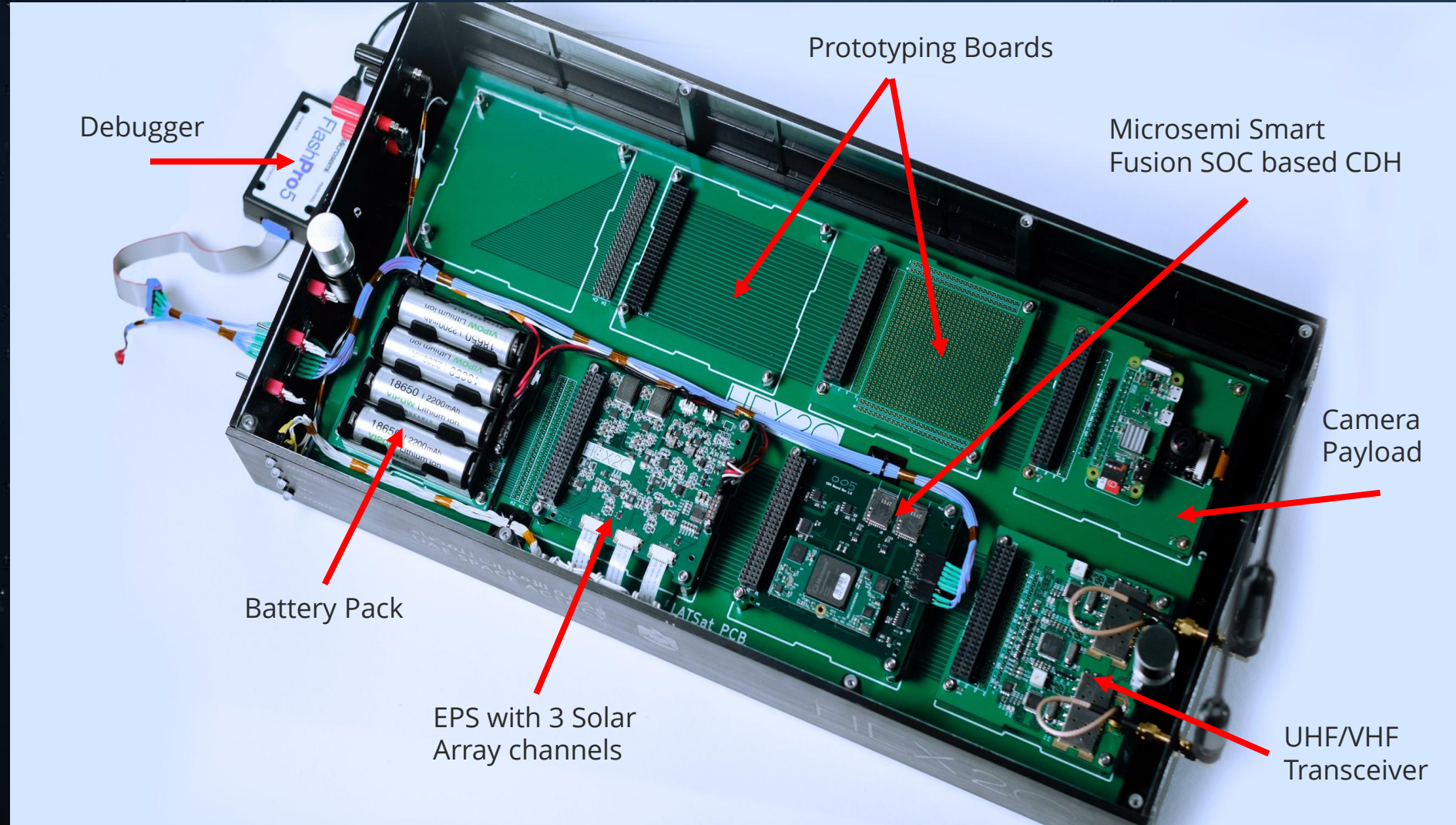
	NX-03	NX-06	NX-12	NX-27
S/C Dimensions (approximate)	30x10x10 – (3U)	30x20x10 – (6U)	30x20x20 – (12U)	30x30x30 – (27U)
Mass (structure)	1.25 Kg	4 Kg	20 Kg	30 Kg
Power	25 W (Pk), 20 W (Avg) 20 WH battery Optional extra battery pack	45 W (Pk), 30 W (Avg) 40 WH battery Optional extra battery pack	110 W (Peak), 67W (Average), 198 WH battery (2 packs)	150 W (Pk), 85 W (Avg) 198 WH battery Optional extra battery pack
Communication	UHF, S-Band Tx/Rx, CCSDS compliant	UHF, X-Band CCSDS compliant Optional: S-Band Tx/Rx	UHF (9600 bps), X-Band (15mbps)	UHF, X-Band CCSDS compliant Optional: S-Band Tx/Rx
OBC & Interfaces	Cortex M3 - I ² C, UART, RS 232, RS 422, SPI, LVDS, CAN Custom fpga interfaces*	Cortex M3 or Dual A9 based OBC - I ² C, UART, RS 232, RS 422, SPI, LVDS, CAN Custom fpga interfaces*	Cortex M3 or Dual A9 based OBC - I ² C, UART, RS 232, RS 422, SPI, LVDS, CAN Custom fpga interfaces*	Cortex M3 or Dual A9 based OBC - I ² C, UART, RS 232, RS 422, SPI, LVDS, CAN Custom fpga interfaces*
Busess (V)	8.4V (Battery), 12V, 6V, 3.3V Custom for payloads*	8.4V (Battery), 15V, 12V, 6V, 3.3V Custom for payloads*	8.4V (Battery), 15V, 12V, 6V, 3.3V Custom for payloads*	8.4V (Battery), 15V, 12V, 6V, 3.3V Custom for payloads*
Pointing Accuracy	±0.003° (12") in 2 axis ±0.007° (26") in 3rd axis	±0.003° (12") in 2 axis ±0.007° (26") in 3rd axis	±0.003° (12") in 2 axis ±0.007° (26") in 3rd axis	±0.003° (12") in 2 axis ±0.007° (26") in 3rd axis
Payload Space	~ 1.5U, ~ 2kg	~ 4U, ~ 6kg	~ 8U, ~ 12kg	~ 18U, ~ 20kg

HEX20 FLATSAT - TESTBED FOR SATELLITE DEVELOPMENT & TRAINING

HEX20 together with LASP at CU Boulder and NCU Taiwan are teaming up to launch an innovative hardware focused training program.

We have converted 3 FlatSat customers to full spacecraft mission projects.

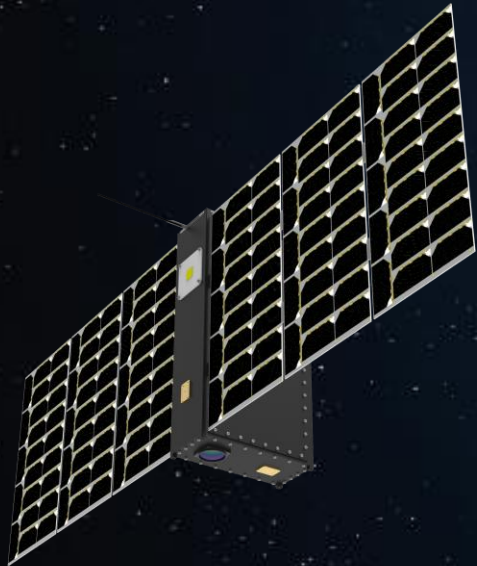
FlatSats provide an entry point to get future full mission customers



NEXT GEN PLATFORMS

Smarter, scalable & mission-ready **software configurable** platforms

3 Platform classes



AX series

<10kg

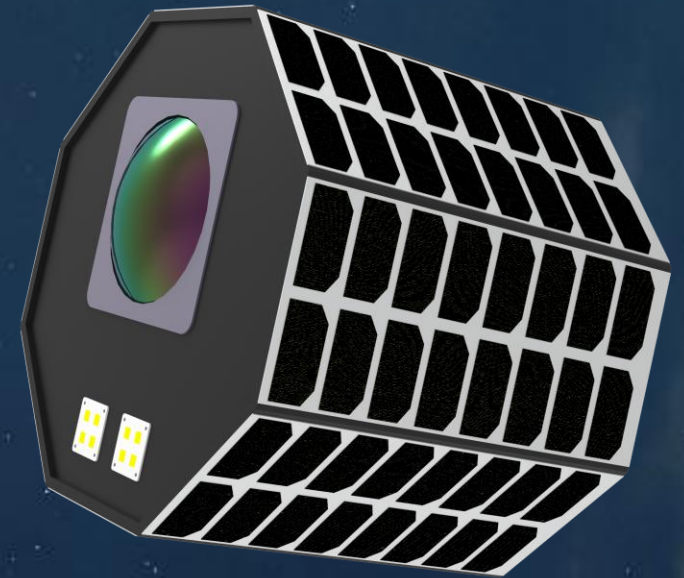
TD | EO | Science



High performance **NX series**

10-35kg

Ride share | TD | EO | Science | Defense



High performance **ZX series**

50-200 kg

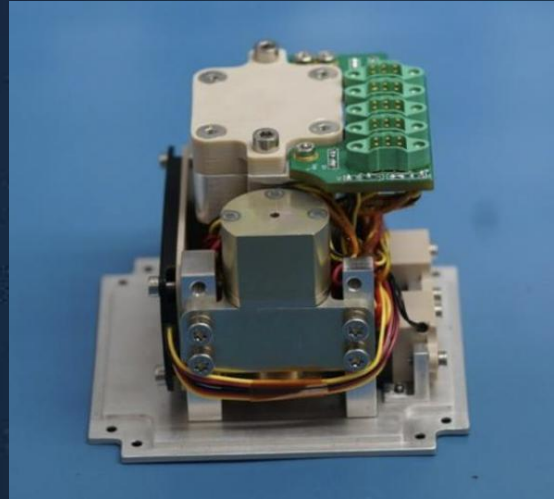
CoM | TD | EO | SSA | Science

HEX20 NILA MISSION

Demonstrating rapid turnaround capability - Spacecraft build and test in 3 months - launch 6 months from contract signing.



September 2024- Contract Signing



October 2024 - DCube
Payload Delivery



October- December 2024 NILA
spacecraft build, Integration and Testing



January- March 2025 NILA delivered to Exolaunch
for integration in January first week for **March 15th**
SpaceX Transporter-13 launch

CUSTOMERS & PARTNERS

EMPOWERING CUSTOMERS, STRENGTHENING PARTNERSHIPS

ASIA - PACIFIC



وكالة الإمارات للفضاء
UAE SPACE AGENCY



ZES
ZERO-ERROR SYSTEMS

THE UNIVERSITY
of ADELAIDE



Technology
Innovation
Institute
معهد الابتكار
التكنولوجي

LAUNCH SERVICE

EXOLAUNCH



SKYROOT

INNOSPACE

GNIKUL

NORTH AMERICA



LASP



AMPLIFIED SPACE

STRATEGIC PARTNERS

ZERO PIXELS

CUBE Ai
THINKING HUMAN

VERDANT
innovation in technology



SEALION
ENERGY

SYSTROME



AEGIVERSE

EUROPE



ohm(space)

tensor
tech



M-Reltech
votre reliable supply chain partner

HEX20 CONTACT

Let's Discuss Space

We are keen to talk to potential collaborators and investors.

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